

PDR RID Report

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Originator Broder, Sol

Organization ESDIS

E Mail Address broder@ulabsgi

Document CSMS Design Spec

Phone No 286-7088

RID ID	PDR	302
Review	CSMS	
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Priority	2	

Section

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Figure Table

Category Name Design-MSS

Actionee HAIS

Sub Category

Subject Underestimated Effort to Instrument Applications

Description of Problem or Suggestion:

The Management Agent service provides an API that permits applications to compose messages but does not define or describe any project-wide conventions for the message data structures (i.e. structure of instrumented data). This impacts the development effort required by other segments to use the API.

The Management Agent Service describes development and/or selection of a Standard MIB but does not indicate which MIBs will be selected, and the specific capabilities needed for performance monitoring Host Managed Objects. This results in suspecting the implementation estimate to develop a set of MIBs.

Originator's Recommendation

Develop and describe message data structures needed for FOS & SDPS applications to support management applications. Distinguish between vendor-provided and custom parameters.

Define additional managed objects attributes for SDPS & FOS services, distinguish between vendor-provided and custom attributes and select a Host-based MIB.

Qualify the implementation effort for management applications by estimating the effort for each management operation and type of managed object. Estimate the effort required by other segments to use the Management Agent API.

GSFC Response by:

GSFC Response Date

HAIS Response by: Forman

HAIS Schedule

HAIS R. E. Sastry

HAIS Response Date 5/2/95

The DID 305 Design Specification will be updated to provide detailed descriptions of the message data structures and to identify those which are provided by COTS and those which are custom or extensions of COTS.

There are activities underway currently to refine the managed object definitions in ECS, their attributes, and the events associated with them (standards based to the maximum extent possible). The result of this activity will support the definition of the message data structures needed for FOS and SDPS applications. The selection of a Host MIB is dependent upon the host platforms selected for Release A (and release B), and will be made in concert with the final hardware and operating selections.

With regard to qualification of the implementation effort for management applications it should be noted that COTS packages have been identified for these management applications. The effort required to integrate these applications is being constantly reviewed based upon specific COTS selections, which will be completed by CDR. The effort required by FOS and SDPS in order to use the Management API would involve the events for which the API would need to be invoked, and its invocation upon the occurrence of the events so identified.

Status Closed

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Attachment if any
